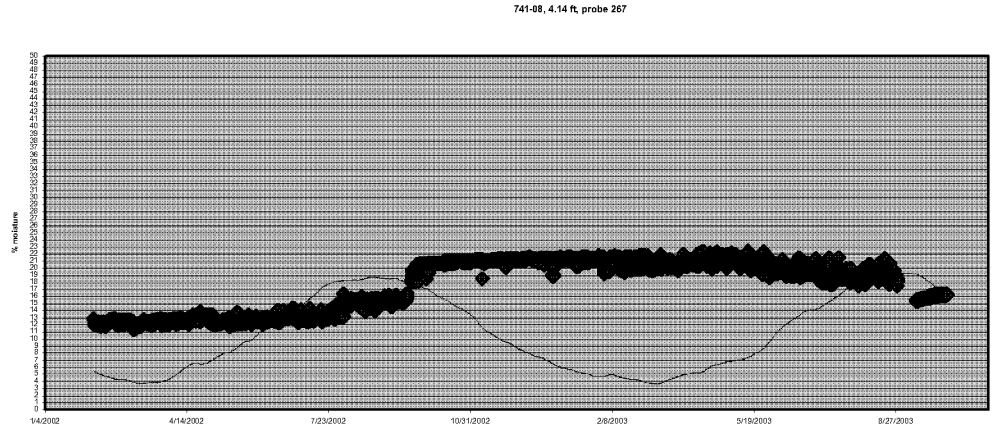
Appendix C

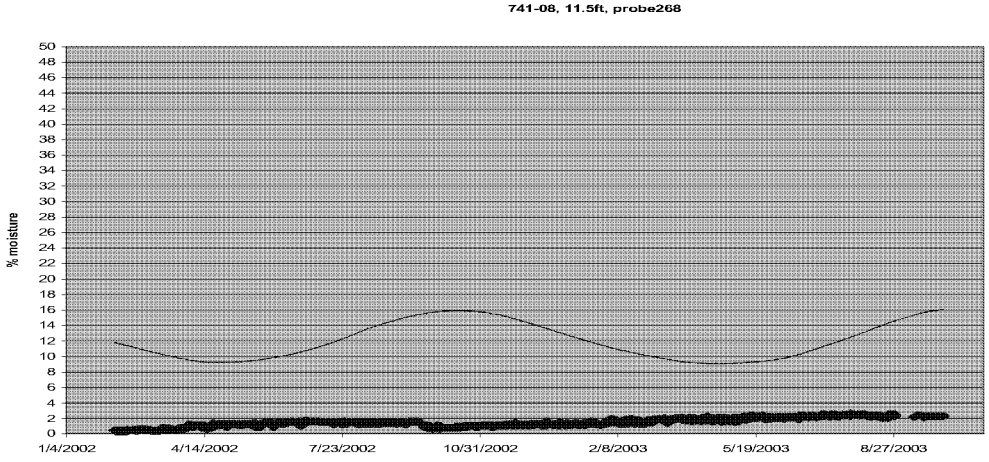
Soil Moisture Probe Data

Cluster 741-08



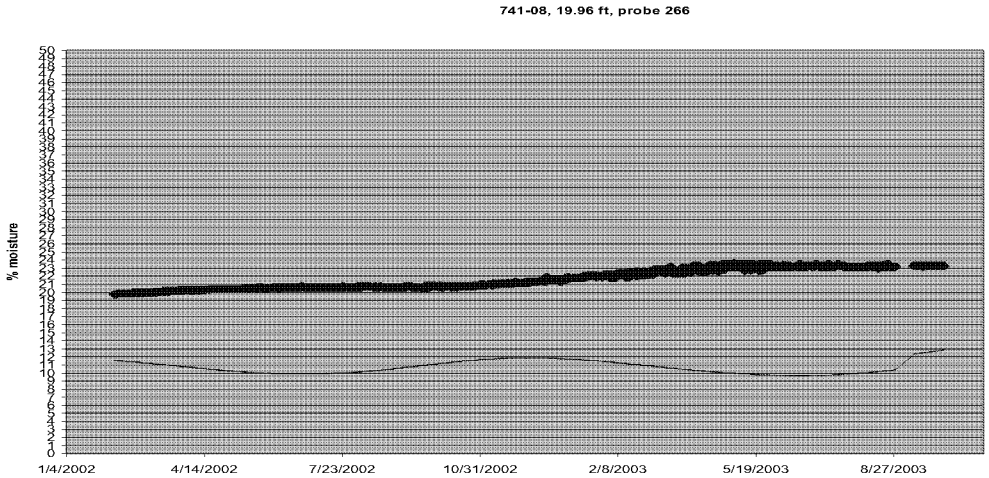
Moisture Trend (Probe 267)

Cyclic—upward as temperature trends down. Need to remove temperature effects from moisture data.



Moisture Trend (Probe 268)

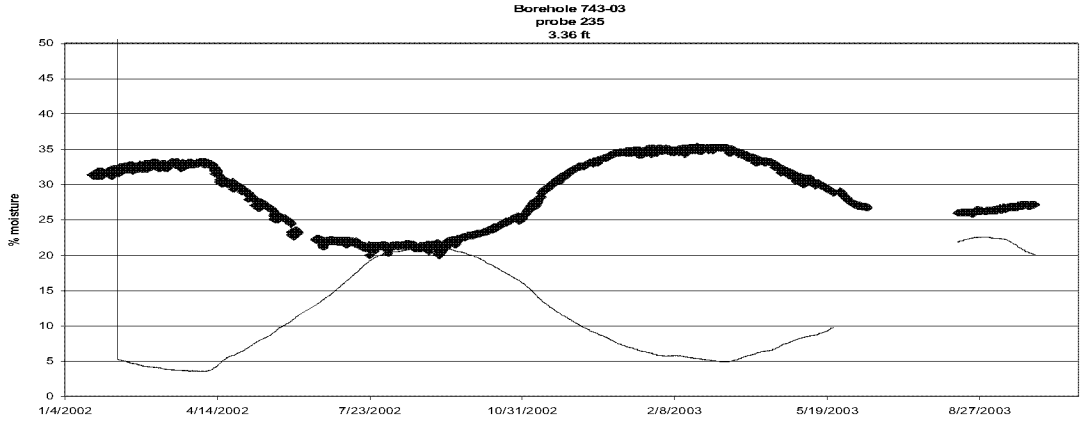
Over time, slight upward trend.



Moisture Trend (Probe 266)

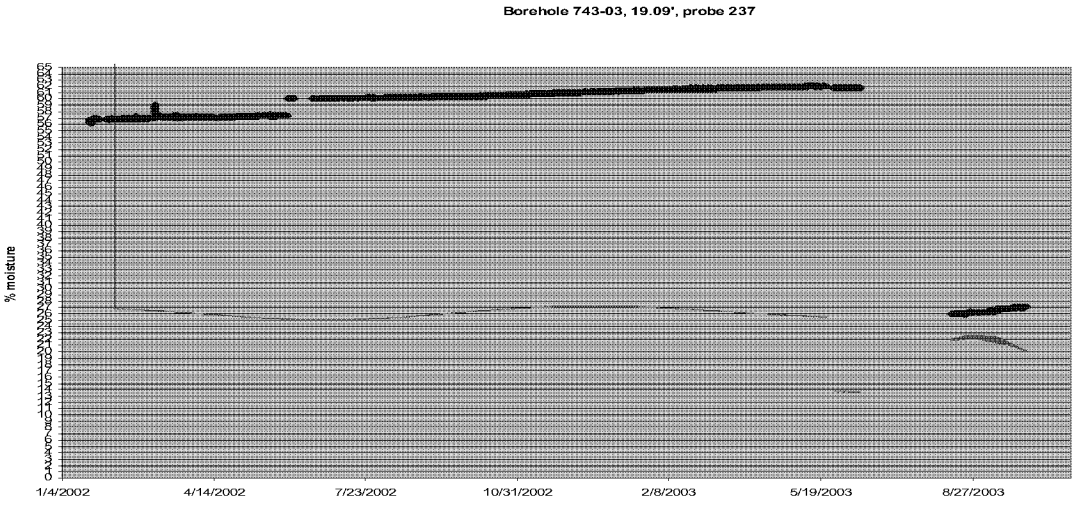
Basically flat. Overtime, though, trend appears to be slightly cyclic. Need to remove temperature effects from data.

Cluster 743-03



Moisture Trend (Probe 235)

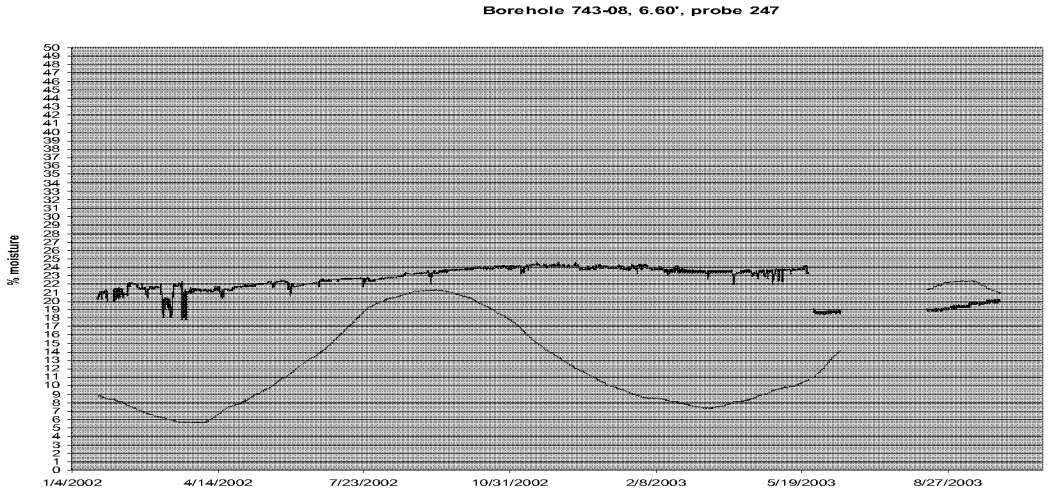
Cyclic. Current trend is up, but because of inverse correlation to temperature, trend cannot be trusted. Probably the true trend is flat.



Moisture Trend (Probe 237)

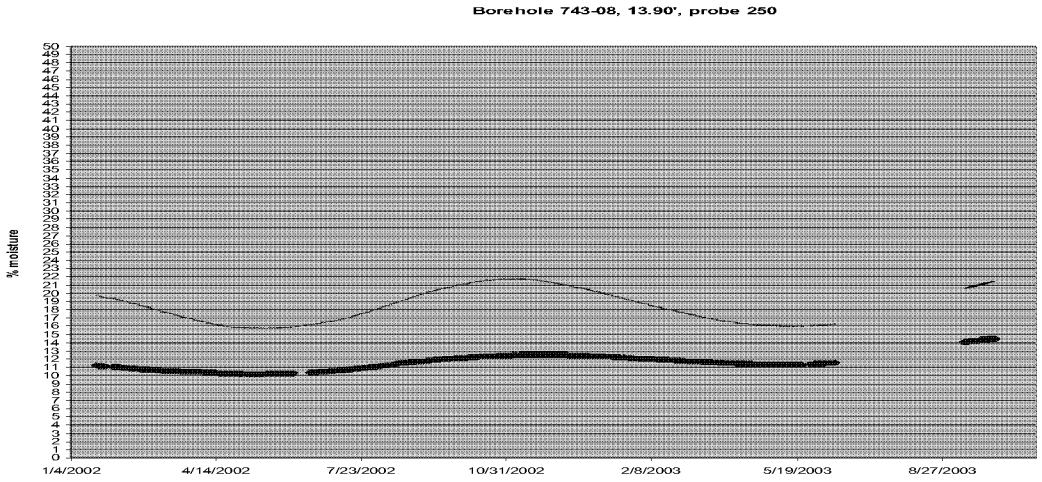
Trend for most of the year is gradually upward. Servicing of probe in early August resulted in dramatic drop in moisture values to values that are probably more accurate. Trend continues gradual upward movement.

Cluster 743-08



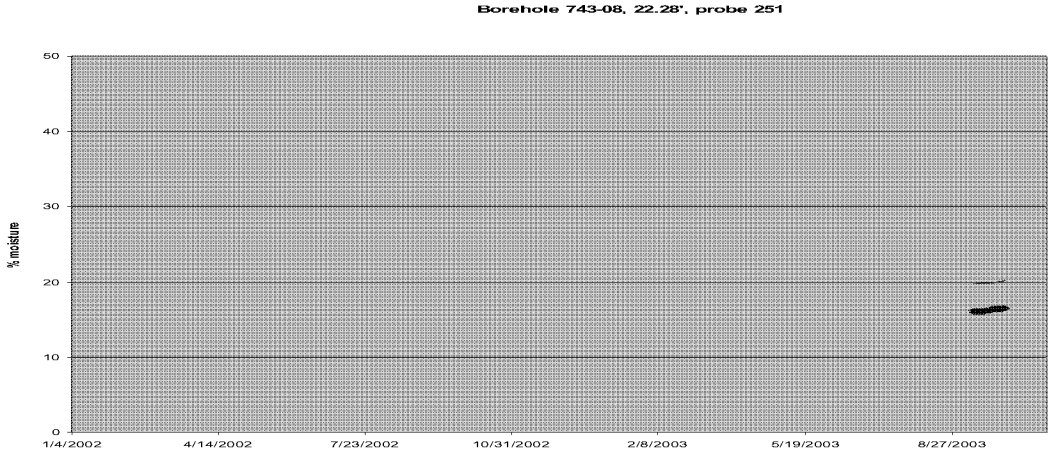
Moisture Trend (Probe 247)

Trend is upward after sudden drop in moisture content after servicing during first part of fourth quarter (see arrow).



Moisture Trend (Probe 250)

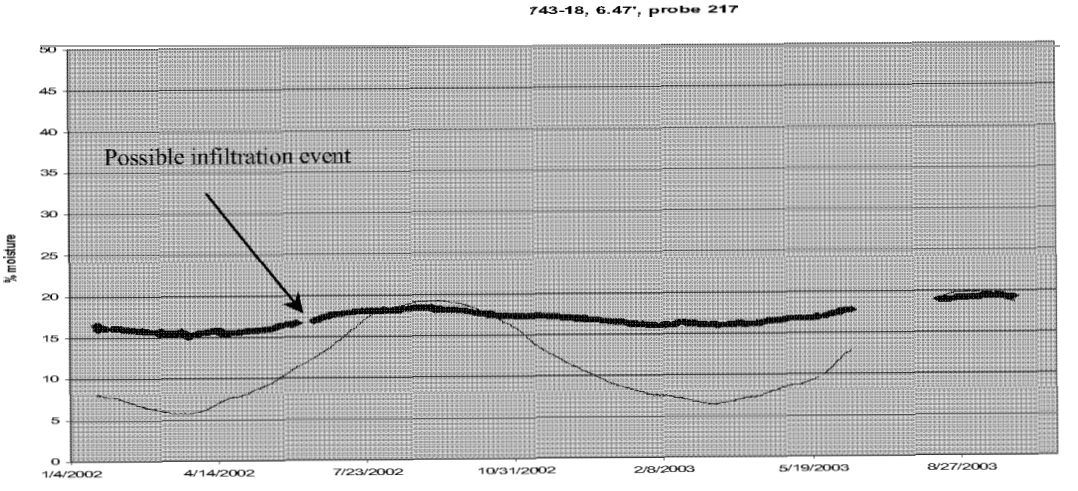
Over the long term, there is a definite temperature influence on data. Long-term trend is cyclic showing maximum and minimums for temperature and moisture on about the same dates.



Moisture Trend (Probe 251)

Trend appears to be slightly upward, but there is not enough data for a long-term trend.

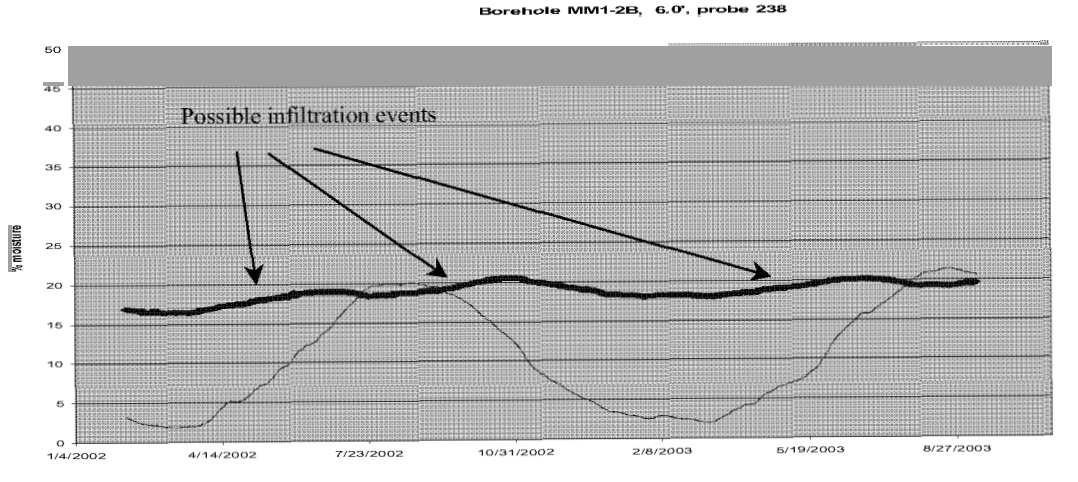
Cluster 743-18



Moisture Trend (Probe 217)

Long-term trend appears to be cyclic. Trend appears to have a temperature component, which should be removed. Real trend is probably flat or slightly up.

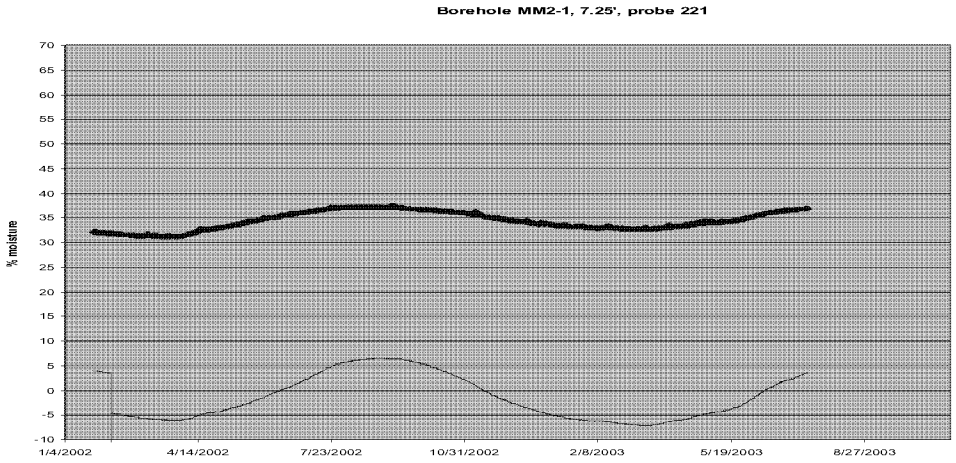
Cluster MM1-2



Moisture Trend (Probe 238)

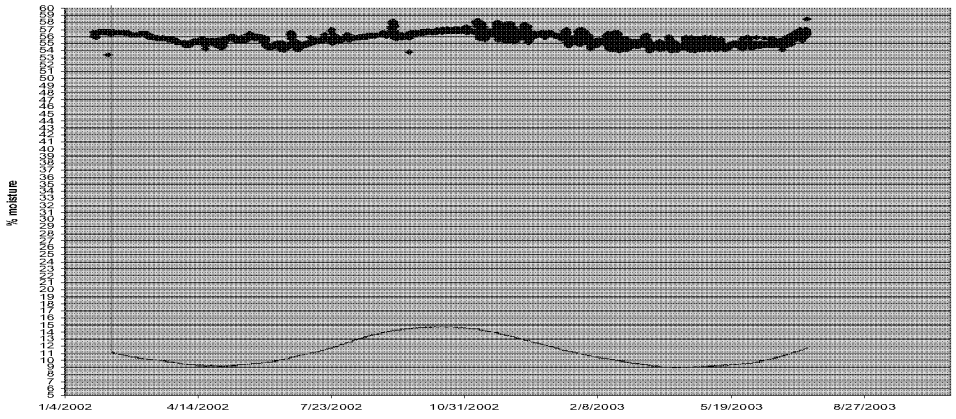
Data to 9/10 only. Long-term moisture trend is somewhat cyclic but does not appear to be related to temperature. The fluctuations could be related to possible wetting fronts moving through the soil profile. Tensiometer data indicate infiltration in early 2002.

Cluster MM2-1



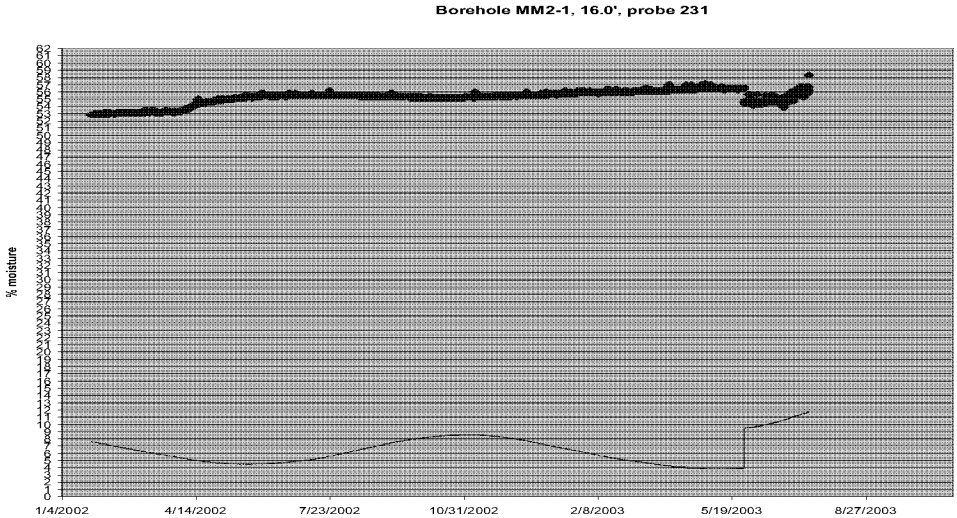
Moisture Trend (Probe 221)

Probe not responding; last readings third quarter 2003. Long-term trend is cyclic reflecting temperature influences. Real trend is probably flat.



Moisture Trend (Probe 241)

Probe not responding; last readings third quarter 2003. Long-term trend is slightly cyclic reflecting temperature influence. Real trend is probably flat or rising slightly.



Moisture Trend (Probe 231)

Probe not responding; last readings third quarter 2003. Drop in data reflects servicing. Long-term trend seems to be slightly upward, which might indicate some infiltration has occurred at this location.